

## PATENT COOPERATION TREATY

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## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

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in its capacity as elected Office

Date of mailing (day/month/year) 03 February 1999 (03.02.99)	
International application No. PCT/US98/10864	Applicant's or agent's file reference CRD0461-PCT
International filing date (day/month/year) 28 May 1998 (28.05.98)	Priority date (day/month/year) 06 June 1997 (06.06.97)
Applicant HURTAK, Wenzel, Franz et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:28 December 1998 (28.12.98)☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

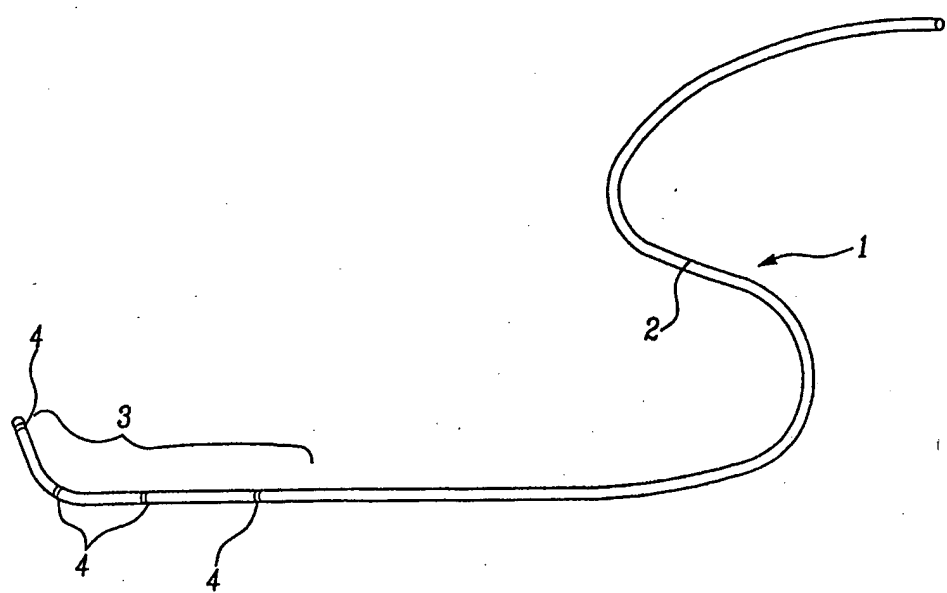
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Céline Faust
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>6</sup>:</b> <b>A61B 5/00</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 98/55016</b> <b>(43) International Publication Date:</b> 10 December 1998 (10.12.98)
<b>(21) International Application Number:</b> PCT/US98/10864 <b>(22) International Filing Date:</b> 28 May 1998 (28.05.98)  <b>(30) Priority Data:</b> 1006254                      6 June 1997 (06.06.97)                      NL  <b>(71) Applicant (for all designated States except US):</b> CORDIS CORPORATION [US/US]; 14201 N.W. 6th Avenue, Miami Lakes, FL 33014 (US).  <b>(71)(72) Applicants and Inventors:</b> HURTAK, Wenzel, Franz [NL/NL]; Aan De Vaart 10, NL-9301 TZ Roden (NL). MOUS, Frans [NL/NL]; Ploeggang 6, NL-9203 HP Drachten (NL). NAP, Cornelis, Philipus [NL/NL]; Oude Streek 10, NL-9345 AG Zevenhuizen (NL).  <b>(74) Agent:</b> MONTGOMERY, Michael, W.; 14201 N.W. 60th Avenue, Miami Lakes, FL 33014 (US).		<b>(81) Designated States:</b> AU, CA, JP, MX, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> GLASS CORE GUIDEWIRE COMPATIBLE WITH MAGNETIC RESONANCE HAVING REINFORCING FIBERS    <b>(57) Abstract</b> <p>A medical guidewire (1) is intended for use in intravascular medical procedures involving the use of magnetic resonance systems. The guidewire (1) has a body (2) and a distal tip portion (3). The distal tip of the guidewire (1) includes several markers (4) embedded in the distal tip portion (3), which are more visible under MR than the remainder of the guidewire.</p>		

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# INTERNATIONAL SEARCH REPORT

international application No.  
PCT/US98/10864

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(6) :A61B 5/00 US CL :600/434 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 128/899; 600/407, 410, 434, 585; 604/264, 280 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,353,808 A (VIERA et al) 11 October 1994, entire document.	1-12
A, P	US 5,706,827 A (EHR et al) 13 January 1998, entire document.	1-12
A, P	US 5,769,796 A (PALERMO et al) 23 June 1998, entire document.	1-12
A	US 5,078,700 A (LAMBERT et al) 7 January 1992, entire document.	1-12
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* *A* *E* *L* *O* *P*	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	*T* *X* *Y* *&* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family
Date of the actual completion of the international search  16 JULY 1998	Date of mailing of the international search report <div style="text-align: center; font-size: 1.2em; font-weight: bold;">18 AUG 1998</div>	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3590	Authorized officer <div style="text-align: center;">                       ELENI MANTIS MERCADER                      Telephone No. (703) 308-0899                 </div>	

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 07 JUN 1999

WIPO PCT

Applicant's or agent's file reference <b>CRD0461-PCT</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/US98/10864</b>	International filing date (day/month/year) <b>28 MAY 1998</b>	Priority date (day/month/year) <b>06 JUNE 1997</b>
International Patent Classification (IPC) or national classification and IPC <b>IPC(6): A61B 5/00; and US Cl.: 600/434</b>		
Applicant <b>CORDIS CORPORATION</b>		

1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2.	This REPORT consists of a total of <u>3</u> sheets.  <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  These annexes consist of a total of <u>0</u> sheets.
3.	This report contains indications relating to the following items: <ul style="list-style-type: none"> <li>I <input checked="" type="checkbox"/> Basis of the report</li> <li>II <input type="checkbox"/> Priority</li> <li>III <input type="checkbox"/> Non-establishment of report with regard to novelty, inventive step or industrial applicability</li> <li>IV <input type="checkbox"/> Lack of unity of invention</li> <li>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li>VI <input type="checkbox"/> Certain documents cited</li> <li>VII <input type="checkbox"/> Certain defects in the international application</li> <li>VIII <input type="checkbox"/> Certain observations on the international application</li> </ul>

Date of submission of the demand  <b>28 DECEMBER 1998</b>	Date of completion of this report  <b>27 JANUARY 1999</b>
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer  <b>ELENI MANTIS-MERCADER</b>
Facsimile No. (703) 305-3230	Telephone No. (703) 308-0899

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/10864

## I. Basis of the report

1. This report has been drawn on the basis of (Substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments):

☒ the international application as originally filed.

☒ the description, pages 1-7, as originally filed.

pages NONE, filed with the demand.

pages NONE, filed with the letter of \_\_\_\_\_.

pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☒ the claims, Nos. 1-12, as originally filed.

Nos. NONE, as amended under Article 19.

Nos. NONE, filed with the demand.

Nos. NONE, filed with the letter of \_\_\_\_\_.

Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☒ the drawings, sheets/fig 1-3, as originally filed.

sheets/fig NONE, filed with the demand.

sheets/fig NONE, filed with the letter of \_\_\_\_\_.

sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

☒ the description, pages NONE.

☒ the claims, Nos. NONE.

☒ the drawings, sheets/fig NONE.

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the ~~Supplemental Box~~ Additional observations below (Rule 70.2(c)).

4. Additional observations, if necessary:

NONE

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/10864

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. STATEMENT**

Novelty (N)	Claims <u>1-12</u>	YES
	Claims <u>NONE</u>	NO
Inventive Step (IS)	Claims <u>1-12</u>	YES
	Claims <u>NONE</u>	NO
Industrial Applicability (IA)	Claims <u>1-12</u>	YES
	Claims <u>NONE</u>	NO

**2. CITATIONS AND EXPLANATIONS**

Claims 1-12 meet the criteria set out in PCT Article 33(2)-(4) because the prior art does not teach or fairly suggest a medical guide wire for use in intravascular medical procedures, and compatible with magnetic resonance; the guide wire having proximal, and distal ends having a long glass core, a polymer sheath surrounding the core, a plurality of reinforcing fibers affixed to at least one of the core of the sheath to enhance flexibility with a marker at the end of the guide wire for visibility under magnetic resonance.

----- NEW CITATIONS -----  
NONE